

FICEMETOI MH-2000

FICEMETOI MH-2000 Digital Temperature Controller

User Instruction Manual

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your FICEMETOI MH-2000 Digital Temperature Controller. This device is designed to precisely control temperature in various environments such as reptile enclosures, freezers, and greenhouses, ensuring optimal conditions for your specific application.

2. SAFETY INFORMATION

WARNING: Electrical Shock Hazard. Read all safety warnings and instructions carefully before use.

- Ensure the power supply matches the device's requirements (220V, 10A, 2200W max).
- Do not immerse the device or its probe in water unless explicitly stated as waterproof.
- Keep out of reach of children.
- Do not disassemble or modify the device. Refer all servicing to qualified personnel.
- Always unplug the device from the power outlet before cleaning or performing maintenance.

3. PRODUCT OVERVIEW

The MH-2000 is a digital temperature controller featuring a clear display for current and set temperatures, and an integrated power outlet for connecting heating or cooling devices. It includes a remote temperature probe for accurate measurement.



Image of the FICEMETOI MH-2000 Digital Temperature Controller. The device is black, rectangular, with a digital display showing temperature readings. It has a power cord with a European-style plug and an integrated outlet on the side. A temperature probe is connected via a thin cable.

4. SETUP

1. **Unpacking:** Carefully remove the MH-2000 controller and its accessories from the packaging.
2. **Probe Placement:** Connect the temperature probe to the designated port on the controller. Place the probe in the area where temperature needs to be monitored and controlled (e.g., inside a reptile tank, freezer, or greenhouse). Ensure the probe is securely positioned and not directly exposed to heating or cooling elements that could cause inaccurate readings.
3. **Power Connection:** Plug the MH-2000 controller into a suitable 220V AC power outlet. The digital display should illuminate.
4. **Device Connection:** Plug your heating or cooling device (e.g., heater, fan, refrigerator) into the integrated power outlet on the side of the MH-2000 controller. Ensure the connected device's power consumption does not exceed 2200W or 10A.

5. OPERATION

Display: The digital display shows two main temperature readings: the current measured temperature (T Temp) and the set target temperature (S Temp).

Setting Temperature:

1. Press the **SET** button once. The "S Temp" display will start flashing.

2. Use the **UP** and **DOWN** arrow buttons to adjust the desired target temperature.
3. Press the **SET** button again to confirm and save the new setting. The display will stop flashing.

Operating Mode:

The controller automatically switches the connected device ON or OFF based on the current temperature relative to the set temperature and the configured differential (hysteresis).

- If the current temperature is below the set temperature, the controller will activate the connected device (e.g., heater).
- If the current temperature is above the set temperature, the controller will deactivate the connected device (e.g., heater) or activate a cooling device if configured for cooling.

Calibration (Advanced): Refer to the full product manual for advanced calibration procedures if temperature readings appear inaccurate. This typically involves adjusting an offset value.

6. MAINTENANCE

- **Cleaning:** Disconnect the controller from the power source before cleaning. Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Probe Care:** Periodically check the temperature probe for damage or corrosion. Ensure its connection to the controller is secure.
- **Storage:** When not in use, store the controller in a cool, dry place, away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

- **No Power/Display Off:**
 - Check if the controller is securely plugged into a working 220V outlet.
 - Verify the power outlet is functional by plugging in another device.
 - Inspect the power cord for any visible damage.
- **Inaccurate Temperature Reading:**
 - Ensure the temperature probe is correctly connected and positioned.
 - Check if the probe is damaged. Replace if necessary.
 - Consider performing a calibration if available (refer to full manual).
- **Connected Device Not Activating/Deactivating:**
 - Verify the connected device is properly plugged into the controller's outlet and is functional.
 - Check the set temperature and ensure it is appropriate for the desired action (heating/cooling).
 - Ensure the temperature differential (hysteresis) is set correctly (if adjustable).
- **Error Codes:** If the display shows an error code, consult the full product manual for specific meanings and solutions.

8. SPECIFICATIONS

Model	MH-2000
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Brand	FICEMETOI
Voltage	220V AC
Maximum Current	10A
Maximum Power	2200W
Display	Digital LED
Probe Type	External NTC Sensor
Applications	Reptile enclosures, freezers, greenhouses, general temperature control

9. WARRANTY AND SUPPORT

This product comes with a standard manufacturer's warranty. For warranty claims, technical support, or service inquiries, please contact FICEMETOI customer support through your purchase platform or the contact information provided with your product packaging.